

# SPECIFICATION

## SHEET FOR APPROVAL


(Revision: R: A0)

CUSTOMER	Hesung Innovation Limited
CS P/N	DR-HPF005S Floor Circulating Fan
PART NAME	WIFI Antenna
FREQUENCY	2400~2500MHz
ZTX NO.	2.00006419
DATE	2023-11-17

CUSTOMER			
QA CHECKED	ME CHECKED	RF CHECKED	MANAGER CHECKED

Remark:

Sign:

Shenzhen ZTX Communication Technology Co., Ltd				
 MANAGER CHECKED	MANAGER CHECKED	ME CHECKED	RF CHECKED	LISTER
		Zou Yilin	Wang Pei	



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# ANTENNA SPECIFICATION

CUS P/N :DR-HPF005S Floor Circulating Fan WIFI Antenna ApplicationDate:Nov,17,2023

Rev: R:A0

ZTX P/N :DR-HPF005S Floor Circulating Fan WIFI Antenna Editor:

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## Revision history

Edition	Date	state
A0	2023-11-17	First edition

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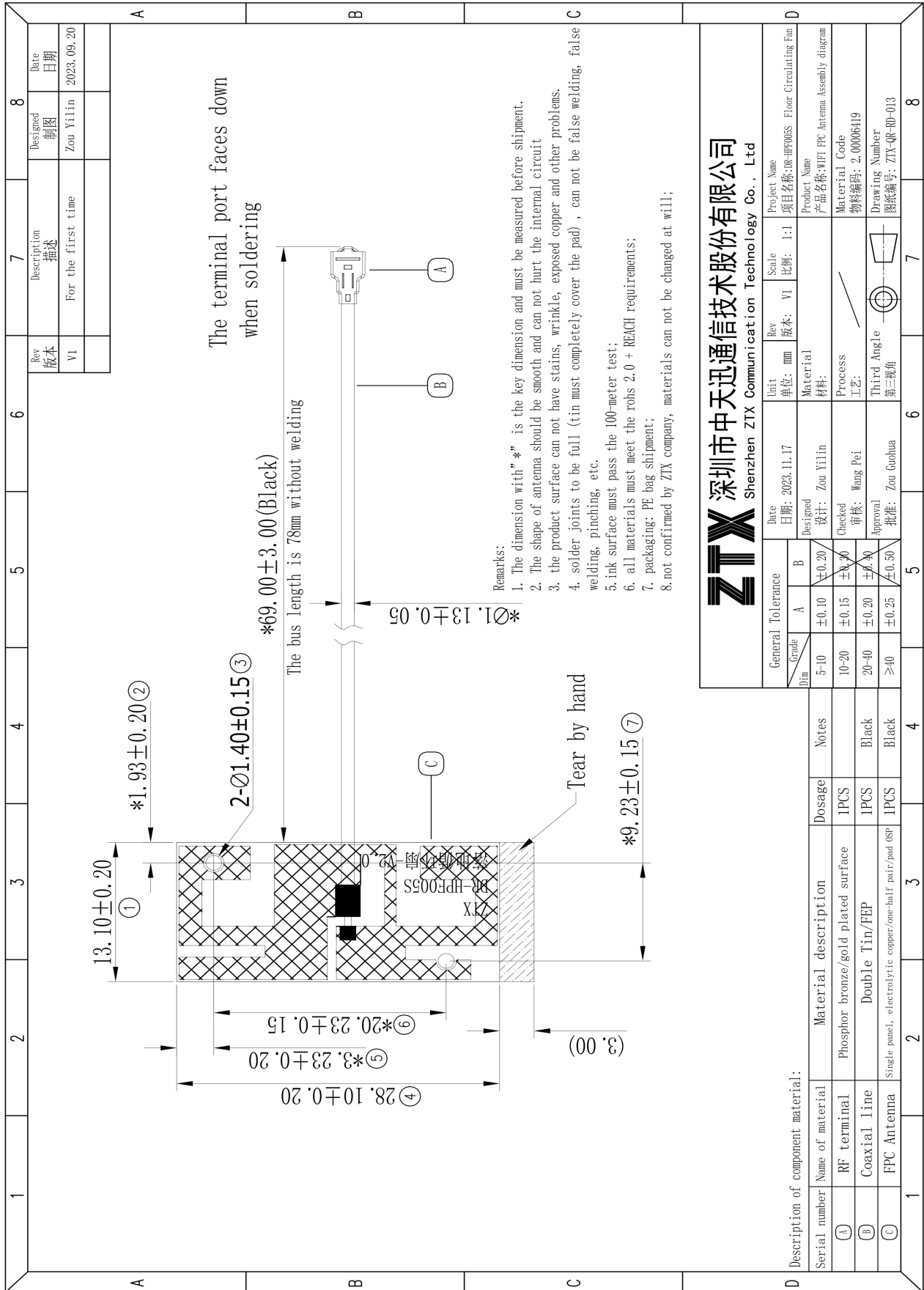
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## 1. Mechanical Specification

### 1-1 Mechanical Configuration (WIFI Antenna)



**ZTX** 深圳市中天迅通信科技股份有限公司  
Shenzhen ZTX Communication Technology Co., Ltd

General Tolerance		Date	Rev	Scale	Project Name
Dim	Grade	日期: 2023.11.17	版本: V1	比例: 1:1	项目名称: DR-HPF005S Floor Circulating Fan
5-10	A	Designed	Unit	Material	产品名称: WIFI FPC Antenna Assembly diagram
10-20	B	设计: Zou Yilin	单位: mm	材料:	物料编码: 2.0000619
20-40	C	Checked	材料:	Process	物料编码: 2.0000619
≥40	D	审核: Wang Pei	工艺:	Third Angle	图纸编号: ZTX-QR-RD-013
		Approval	批注: Zou Guohua	第三视角	

# ANTENNA SPECIFICATION

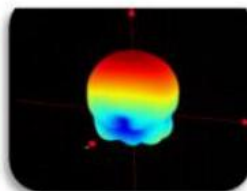
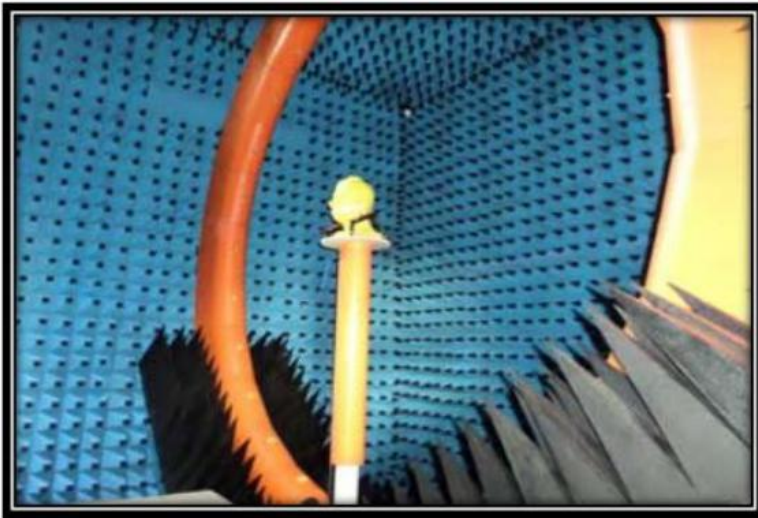
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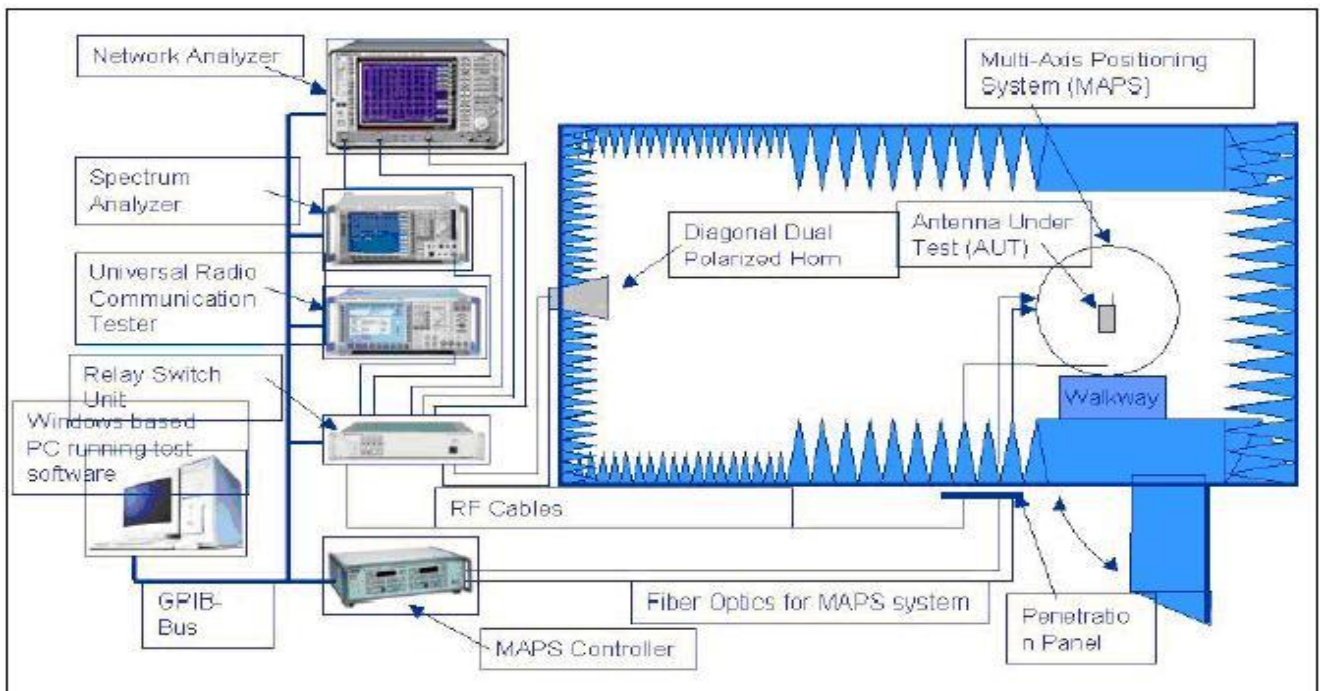
## 2. Test equipment



Owned 6 microwave dark room, equipped 2 sets world leading France Satimo SG24 OTA certification test systems (one in SHENZHEN, another one in Shanghai), ETS OTA Standard test system, Blue test reverberation test system which is High repeatability, high accuracy and high resolution. It can quickly provide accurate test reports, fully meet the CTIA standards.

Testing range:

Support active, passive testing of GSM/CDMA/WCDMA/TD-SCDMA/LTE/WIFI/WLAN/WiMax/BT/GPS/MIMO/UWB within 0.4-6G.



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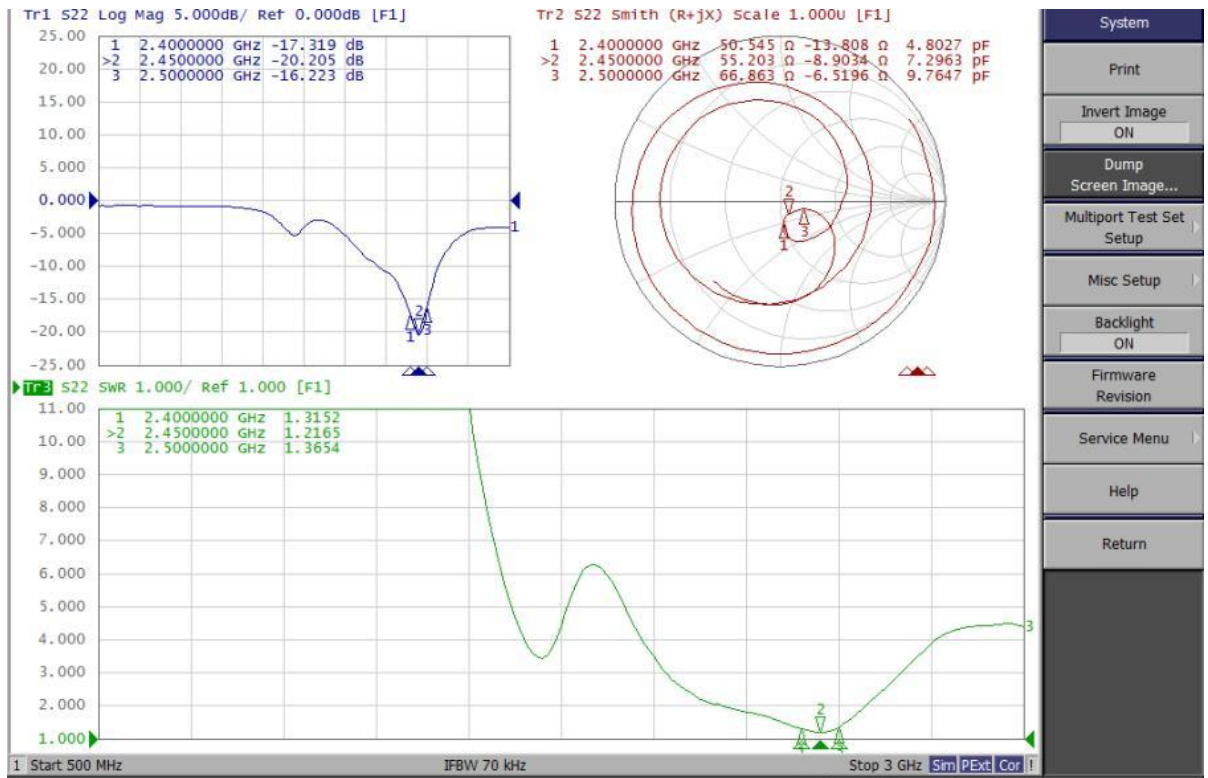
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## 3.Test Results Summary

### 3-1 Active Test

B	TRP	TIS		G	TRP	TIS		N	TRP	TIS
1	15.51	-84.4		1	12.66	-70.2		1	12.58	-64.7
6	15.23	-84		6	12.08	-70		6	12.11	-64.6
11	15.46	-84.6		11	12.51	-70.4		11	12.45	-64.8

### 3-2 VSWR



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## 3-3 No-source test data

Frequency	Efficiency	Efficiency	Gain . dB
2400	64%	-1.9	5.1
2410	62%	-2.1	4.8
2420	64%	-1.9	4.9
2430	64%	-2.0	4.0
2440	62%	-2.1	4.0
2450	61%	-2.1	5.1
2460	62%	-2.1	5.3
2470	65%	-1.9	5.6
2480	64%	-2.0	5.6
2490	63%	-2.0	5.5
2500	65%	-1.9	5.8